



# Ashur Cherry

NAM.DUB.SAR<sup>RA</sup> AMA GÙ.DÉ-KE<sub>4</sub>.E.NE A.A UM.ME.A-KE<sub>4</sub>.EŠ

**“Writing is the mother of speakers, the father of scholars”**





# Neo-Assyrian Cuneiform Ancient Scripts



**Ashur Cherry**  
**York University**  
**Toronto, Ontario**

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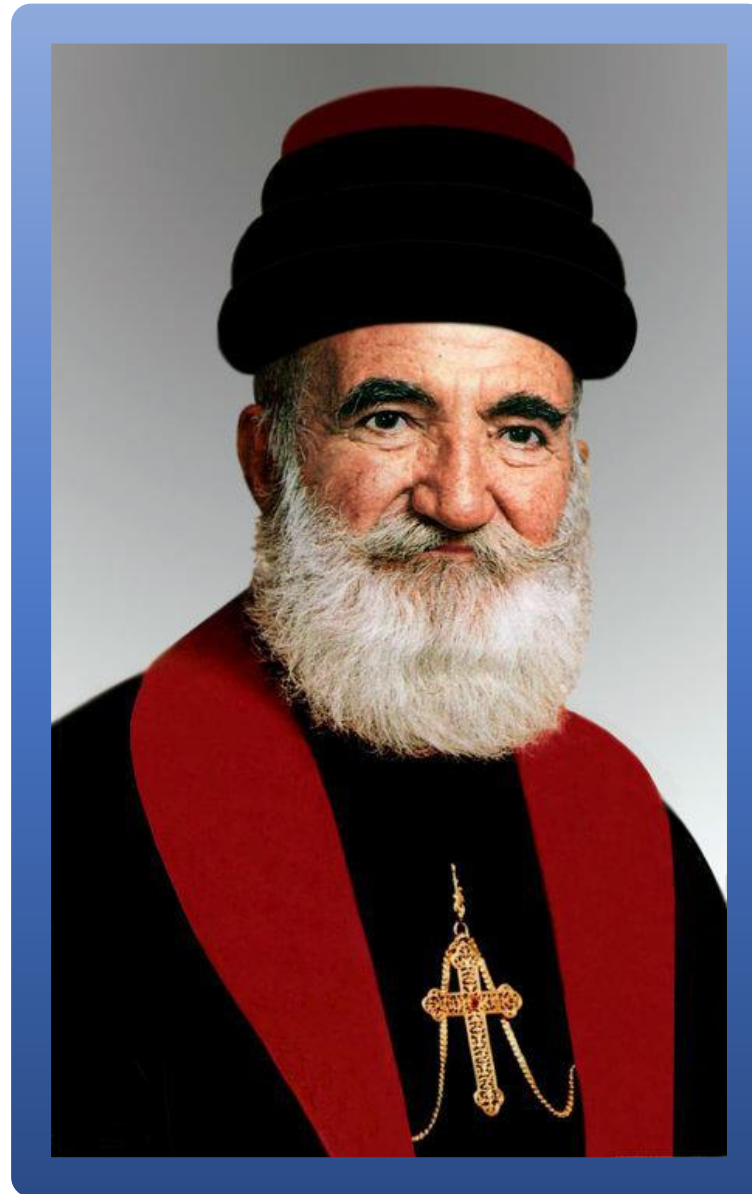
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## Acknowledgement

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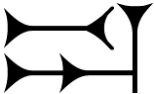

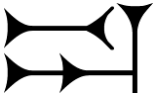











**I dedicate this book in memory of His Holiness † Mar Yousip Khnanisho**  
**Archbishop of Shamisdin and Rustaqa**








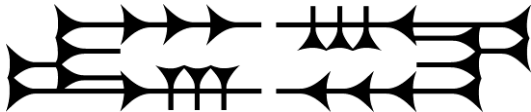

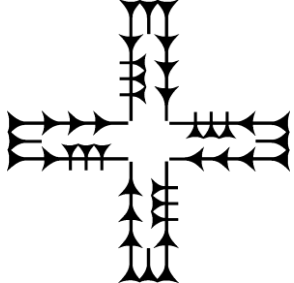
**Seventy-Two Years of Dedication Toward His People, Church and Assyrian Nation**  
**Thursday, May 18, 1893 (Mar Ishoo, Turkey) – Sunday, July 3, 1977 (Baghdad, Iraq)**



Modifiers Overview





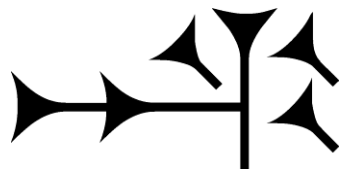

Modifier	Meaning	Sign	Example
-gunû	extra wedges	DU 	DU-gunû 
-šeššig	added še-sign	DU 	DU-šeššig 
-tenû	slanting	LÚ 	LÚ-tenû 
-nutillû	unfinished	SAG 	SAG-nutillû 
-zidatenû	slanting right	AŠ 	AŠ-zidatenû 
-kabatenû	slanting left	AŠ 	AŠ-kabatenû 
-<digits>°	rotated	NAGA 	NAGA-180° 

Operators Overview

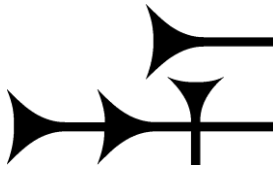
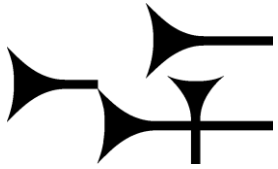

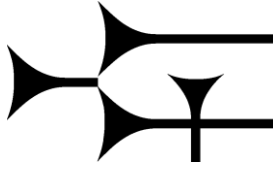
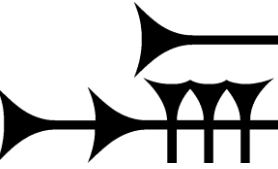
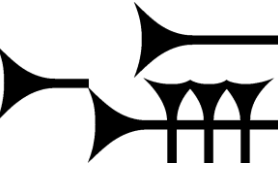
Operator	Meaning	Example	Sign
.	beside	DU . DU	
×	containing	KA×IM	
×	containing/group	GÁ× (AN . GAG . A)	
&	above	DU DU	
⊗	crossing	(AŠ&AŠ&AŠ) ⊗ (AŠ&AŠ&AŠ)	
@	opposing	LUGAL@LUGAL	
3×	repeated	3×AN	
4×	repeated	4×LÚ	



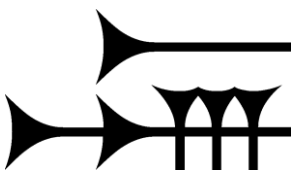
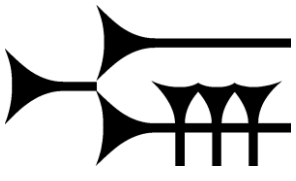
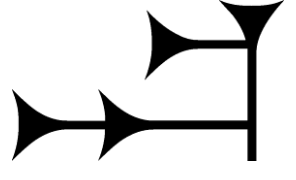
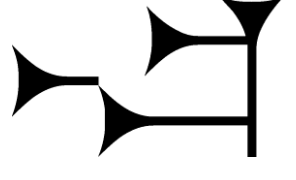
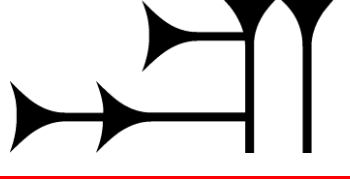



	Sign Name	Sign Name	Sign
1	AŠ	DILI RUM TIL <sub>4</sub>	
2	AŠ.AŠ	2	
3	HAL		
4	EŠ <sub>6</sub>	AŠ.AŠ.AŠ 3	
5	BAL		
6	GÍR		



	Sign Name	Sign Name	Sign
12	MUG		
	MUG		
	MUG		
	MUG		
13	ZADIM	MUG-gunû	
	ZADIM	MUG-gunû	

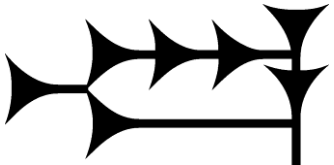
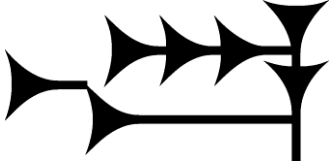











	Sign Name	Sign Name	Sign
	ZADIM	MUG-gunû	
	ZADIM	MUG-gunû	
14	BA		
	BA		
15	ZU		
	ZU		



















	Sign Name	Sign Name	Sign
	ITI	UD-šeššig	
	ITI	UD-šeššig	
21	ÍTI	ITI×BAD UD-šeššig×BAD	
	ÍTI	ITI×BAD	
22	ŠUBUR		
	ŠUBUR		







	Sign Name	Sign Name	Sign
23	ŠAḪ		
	ŠAḪ		
24	KA		
25	KA×GÍR	DU <sub>11</sub> DUG <sub>4</sub> GÙ INIM ZÚ	
26	TU <sub>6</sub>	KA×LI	











	Sign Name	Sign Name	Sign
32	SU <sub>6</sub>	KA×SA	
33	PÙ	KA×KÁR BUZUR <sub>5</sub>	
34	KA× (AD.KUG)	KA× (AD.KÙ)	
35	KA×NE		
36	KA×ÚR		
37	KA×KIB		

	Sign Name	Sign Name	Sign
38	KA×GAG	KA×KAK	
39	KA×UŠ		
40	KA×PA		
41	KA×GIŠ		
42	KA×ŠID	DÍLIB	
43	KA×Ú		

	Sign Name	Sign Name	Sign
44	KA×GA		
45	KA×SAR		
46	KA×ĀŠ		
47	KA×DÚB	KA×BALAG	
48	KA×ŠA		
49	ŠÙDU	KA×ŠU	







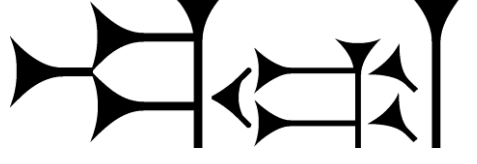



	Sign Name	Sign Name	Sign
56	KA×U		
57	KA×MI		
58	KA×EŠ		
59	KA×IGI		
60	KA×KI		
61	EME	KA×ME	









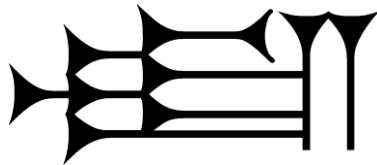

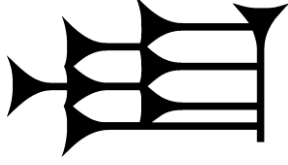
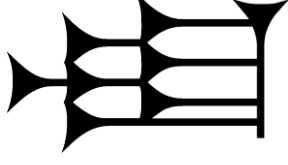
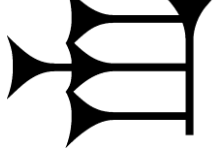



	Sign Name	Sign Name	Sign
70	KA×LUM		
71	URU	IRI	
72	URU×TU	ŠEG <sub>5</sub>	
73	UKKIN	URU×MAŠ URU×BAR UNKEN	
74	URU×KÁR		
75	BANŠUR	URU×URUDU	

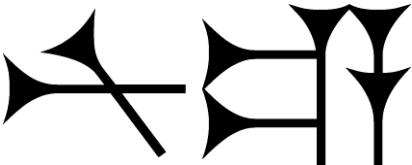

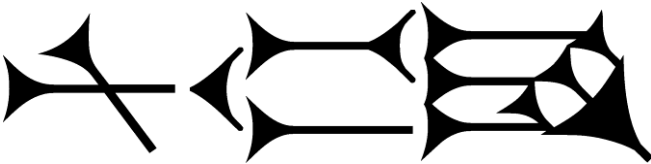
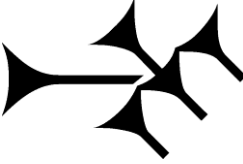


	Sign Name	Sign Name	Sign
	BANŠUR	URU×URUDU	
76	ŠÀKIR	URU×GA	
	ŠÀKIR	URU×GA-gunû	
77	ÚRU	URU×UD	
78	URU×UL		
79	ASARI	SILIG URU×IGI URU×ŠI	



	Sign Name	Sign Name	Sign
80	GIŠGAL	URU×MIN GÀL ÙLU	
	GIŠGAL	URU×MIN GÀL ÙLU	
81	URU×A		
82	URU×ĦA		
83	ÈRIM	URU×NÍG	
84	URU×GU	GUR <sub>5</sub>	

	Sign Name	Sign Name	Sign
85	LI		
86	TU	DÚ	
87	KU <sub>4</sub>		
88	GUR <sub>8</sub>	URU <sub>5</sub> TE-gunû	
89	LA		
90	APIN	ENGAR URU <sub>4</sub>	







	Sign Name	Sign Name	Sign
96	PAB.E	PA <sub>5</sub>	
	E×PAB		
97	GÀM	PAB.NÁ ZUBI	
98	MU		
99	SÌLA	GA <sub>5</sub> QA	
100	ŠEŠLAM		



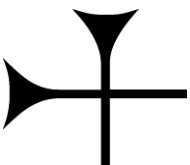
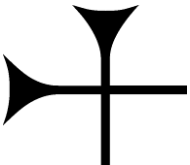
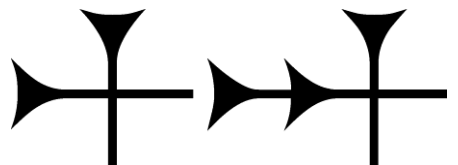
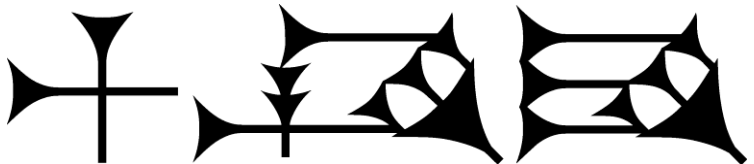
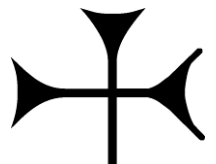
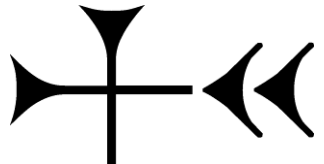




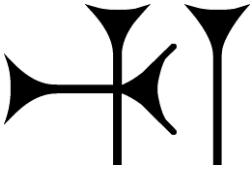





	Sign Name	Sign Name	Sign
113	BAD		
	IDIM		
	TIL		
	ÚŠ		
114	ÈŠE	AŠ.U	
115	ŠIR	NU <sub>11</sub>	







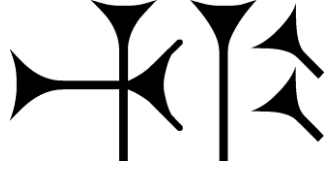





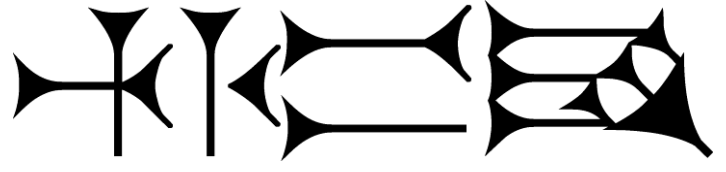
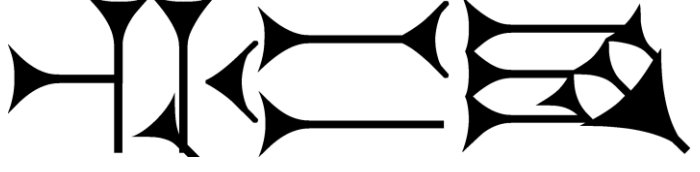
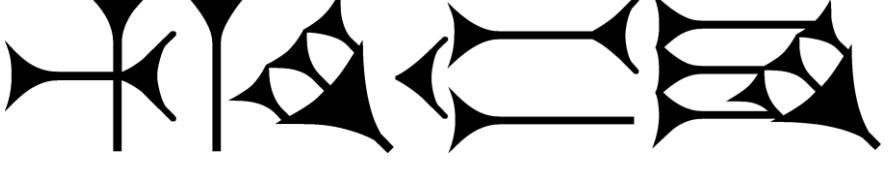
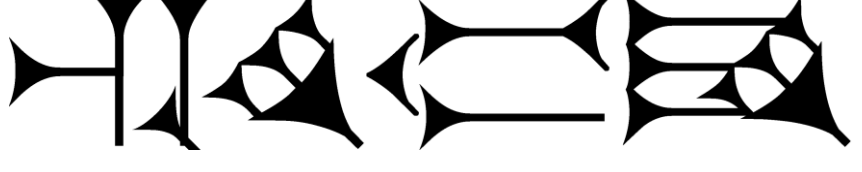
	Sign Name	Sign Name	Sign
121	BAR		
122	BĂN		
123	KÚNGA	BAR . AN	
124	IDIGNA	DALLA MAŠ . GÚ . GÀR	
125	GÍDIM	MAŠ . U	
126	MAŠ . MAN		











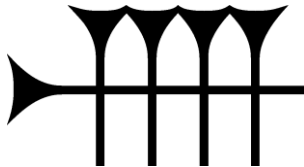



	Sign Name	Sign Name	Sign
132	ḤU	MUŠEN	
	ḤU	MUŠEN	
133	U <sub>5</sub>	ḤU.SI	
	U <sub>5</sub>	ḤU.SI	
134	NAM		
	NAM		



	Sign Name	Sign Name	Sign
135	BURU <sub>5</sub>	BUR <sub>5</sub> NAM.ERIM	
	BURU <sub>5</sub>	BUR <sub>5</sub>	
	BURU <sub>5</sub>	BUR <sub>5</sub>	
	BURU <sub>5</sub>	BUR <sub>5</sub>	
136	IG	GÁL	
	IG	GÁL	

	Sign Name	Sign Name	Sign
137	MUD		
	MUD		
138	SA <sub>4</sub>	ҲҮ.НЌ	
	SA <sub>4</sub>		
	SA <sub>4</sub>		
	SA <sub>4</sub>		

	Sign Name	Sign Name	Sign
139	ŠÌTA	RAD	
140	ZI		
141	GI		
	GI×E		
	GI×E		
142	RI		

	Sign Name	Sign Name	Sign
	RI		
143	NUN		
	NUN		
144	NUN-tenû		
145	TÙR	NUN . LAGAR	
	NUN%NUN . LAGAR LAGAR		







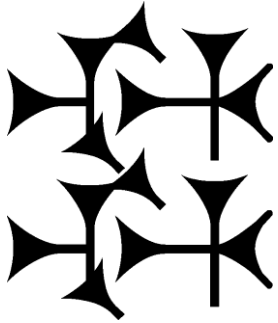

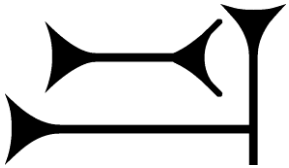
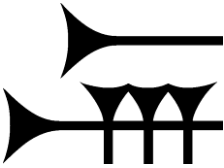
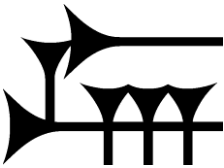



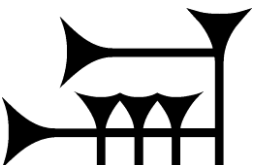
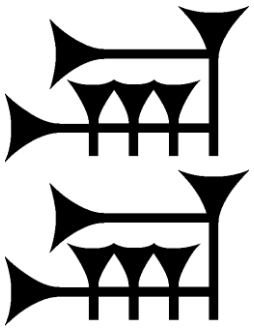
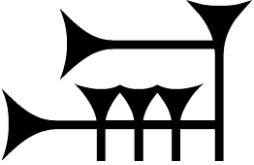
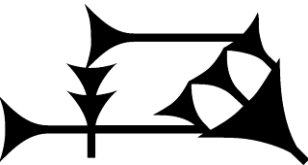





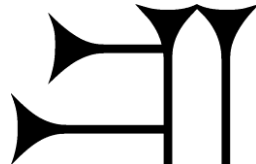





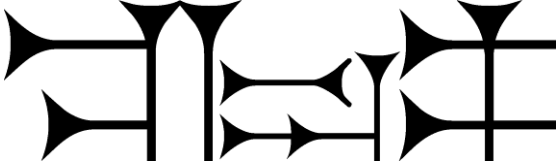


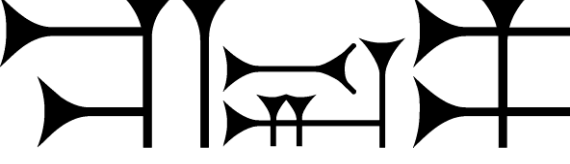



	Sign Name	Sign Name	Sign
	MÉNBULUG	BULUG BULUG	
170	LÀL	TA×ḤI	
171	KU <sub>7</sub>		
172	SA		
173	AŠGAB		







	Sign Name	Sign Name	Sign
	AŠGAB		
174	GÁN	GÁNA	
	GÁN GÁN		
175	KÁR	GÁN-tenû ŠÈ-tenû	
176	GÚ	TIK	

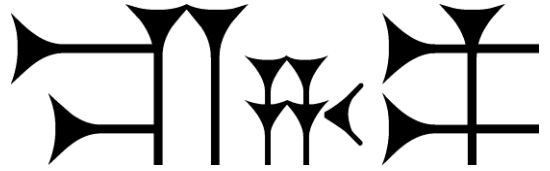





	Sign Name	Sign Name	Sign
177	USAN	GÚ×NUN GÚ . NUN	
178	DUR	GÚ×GAG GÚ . GAG	
179	GUN	GÚ . UN	
180	GUR		
181	SI		
182	SU <sub>4</sub>	SI-gunû	

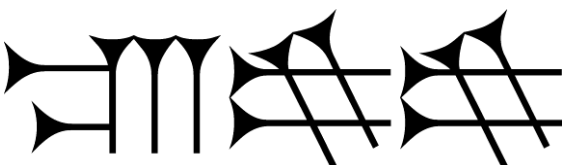
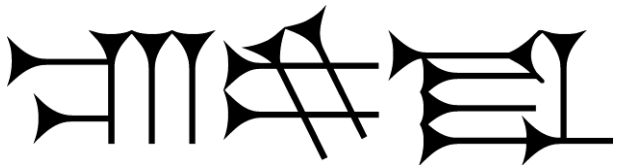



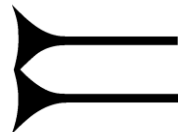


	Sign Name	Sign Name	Sign
186	SAG×UM		
187	SAG×DU		
188	SAG×GAG	SAG×DÙ	
189	SAG×NI		
190	SAG×UŠ		
191	DÌLIB	SAG×ŠID	



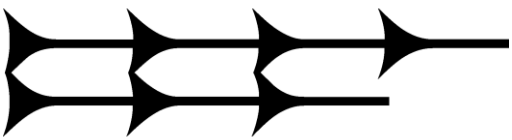

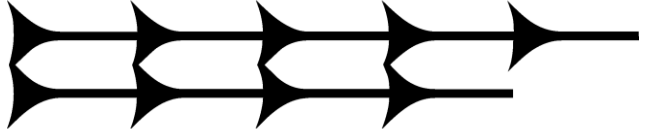
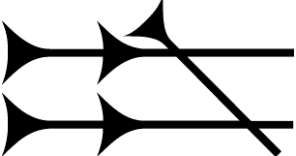

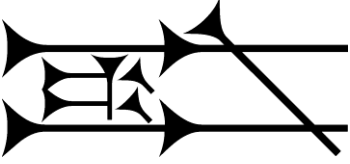
	Sign Name	Sign Name	Sign
192	SAG×Ú		
193	SAG×UB		
194	SAG×SIG <sub>7</sub>		
195	KÀN	SAG×MI	
196	SAG×UR		
197	SAG×A		

	Sign Name	Sign Name	Sign
198	SAG×H̱A		
199	SAG×MUNUS		
200	SAG×LUM		
201	MÁ		
202	DIMGUL	MÁ . MUG	
203	ÙZ	MÁ . KASKAL	


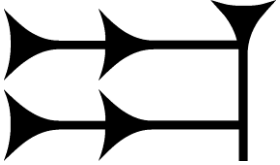
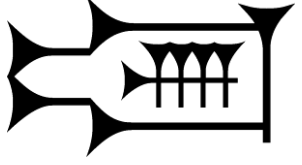
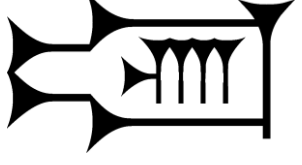
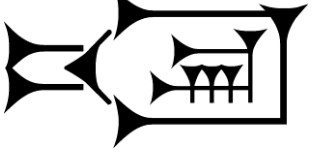

	Sign Name	Sign Name	Sign
204	ÙZ.KASKAL		
205	SUR <sub>9</sub>	MÁ.KASKAL.SIG <sub>7</sub>	
206	SUR <sub>10</sub>	MÁ.SIG <sub>7</sub>	
207	DIR	DIRI DIRIG SI.A	
208	NÌQ		
209	TAB	2	





	Sign Name	Sign Name	Sign
218	ÍMIN	TAB.TAB.TAB.AŠ 7	
219	ÚSSU	TAB.TAB.TAB.TAB 8	
220	ÍLIMMU	TAB.TAB.TAB.TAB.AŠ 9	
221	TAG	ŠUM ZÍL	
	TAG×NE		
	TAG×GU <sub>4</sub>		

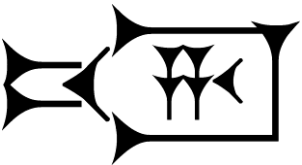
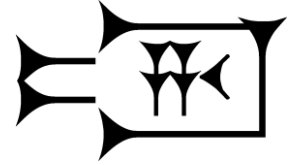
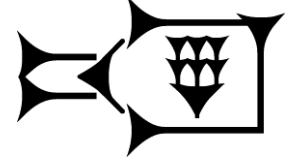





	Sign Name	Sign Name	Sign
222	KÁ		
223	AB	ÈŠ	
224	AB×NUN	ÈŠ×NUN	
	AB×NUN	ÈŠ×NUN	
225	AB×KÁR	ÁGARIN	
226	AB×ŠEŠ		




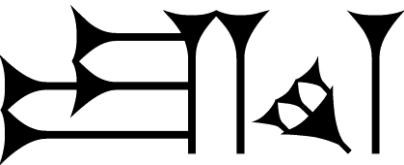
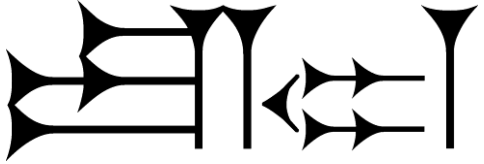
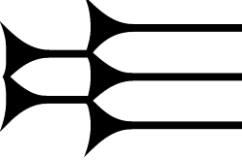






	Sign Name	Sign Name	Sign
236	NINA	AB×ḪA	
	NINA	AB×ḪA	
237	AB×IMIN		
238	UM		
239	UM×U		
	URUDU×U		





	Sign Name	Sign Name	Sign
249	TA-gunû		
250	TA×ĤI		
251	TA×MI		
252	I		
253	GAN		
254	KÂM		























	Sign Name	Sign Name	Sign
274	EZEN×LA		
275	BÀD	UG <sub>5</sub> EZEN×BAD	
	EZEN×HAL		
276	EZEN×SI		
	EZEN×PA		
277	UBARA	EZEN×KASKAL	







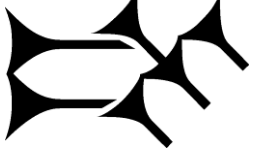
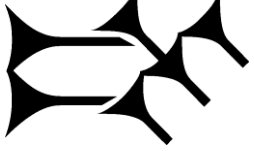






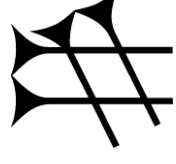
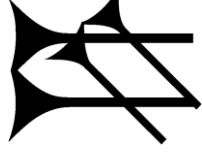
	Sign Name	Sign Name	Sign
284	EZEN×KUG		
285	ASILAL	EZEN×LÁL	
286	EZEN×LU		
287	EZEN×GÍN	EZEN×TÙN	
288	ÀSILAL	EZEN×A	
289	SIL <sub>7</sub>	EZEN× (A . LAL)	



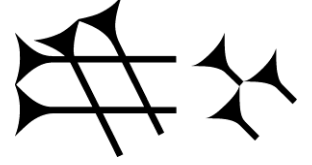









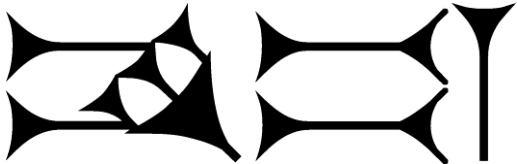










	Sign Name	Sign Name	Sign
294	NAGA×ŠU-tenû		
295	NIB	PIRIG×KAL	
296	UG	PIRIG×UD	
297	AZ	AS PIRIG×ZA	
298	GAB	GABA DU <sub>7</sub> TU <sub>7</sub>	
		DU <sub>8</sub>	

	Sign Name	Sign Name	Sign
299	GAB.LIŠ		
300	EDIN	EDEN	
301	TAḤ	MU MU	
		DAḤ	
302	KASKAL		
	KASKAL		

	Sign Name	Sign Name	Sign
	KASKAL		
303	ÌTI	KASKAL . ITI	
304	ILLAT	KASKAL . KUR	
305	KASKAL . BU		
306	KASKAL . AḪ		
307	KASKAL . LAGAB		



	Sign Name	Sign Name	Sign
310	AM×A		
311	UZU		
312	BÍL	GIBIL NE×PAB NE-šeššig	
313	NE	BÍ BIL DÈ IZI LÁM	
314	ÉMEŠ	NE×UD	

	Sign Name	Sign Name	Sign
315	ENTEN	NE×A	
316	NÍNDA		
317	NÍNDA×AŠ		
318	NÍNDA× (AŠ . AŠ)		
319	NÍNDA×BAL		
	NÍNDA×BÚR		








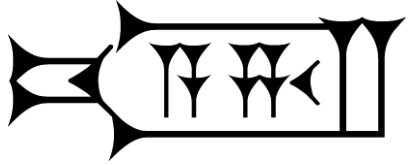
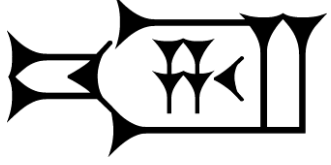
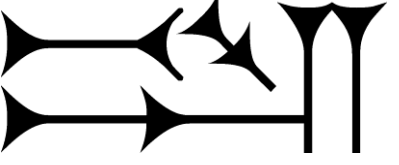

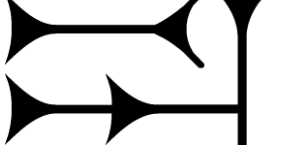
	Sign Name	Sign Name	Sign
328	NÍNDA×ŠID		
329	NÍNDA×Ú		
330	NÍNDA× (Ú.AŠ)		










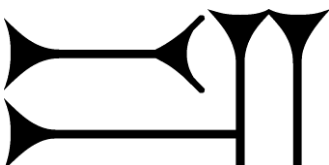
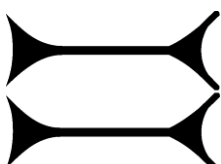
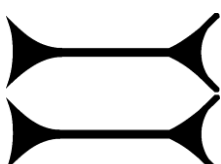



	Sign Name	Sign Name	Sign
337	NÍNDA× (ME.KÍD)		
	NÍNDA× (ME.KÁR)		
338	GALAM	SUKUD	
	GALAM	SUKUD	
	GALAM	SUKUD	
339	KUM	GUM	



	Sign Name	Sign Name	Sign
345	ÚR× (Ú . AŠ)		
346	ÚR× (A . ḪA)		
347	ÚR×ḪA		
348	IL	AL×ŠE	
349	IL×KÁR		
350	DU	GIN GUB TÚM	

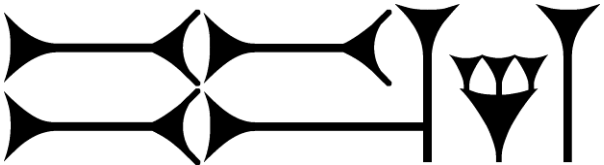
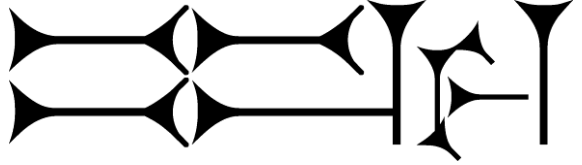
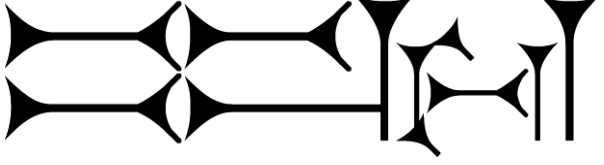


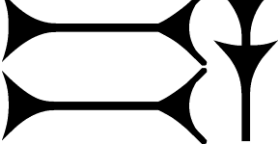
	Sign Name	Sign Name	Sign
	LAḪ <sub>4</sub>	DU DU	
351	SUḪUŠ	DU-gunû GIR <sub>6</sub>	
352	KAŠ <sub>4</sub>	DU-šeššig GIR <sub>5</sub> ÍM KAS <sub>4</sub>	
353	ANŠE	GÌR×PA GÌR×TAB	
354	TUM	ÉB ÍB	

	Sign Name	Sign Name	Sign
355	TUM-gunû	TUM×KÁR ÍB-gunû	
356	EGIR	EGER	
357	IŠ	SAḤAR	
358	BI	KAŠ	
359	EŠEMIN <sub>5</sub>	BI	
360	BI×SIG <sub>7</sub>	KAŠ×SIG <sub>7</sub>	





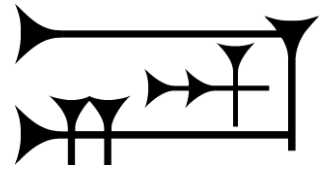
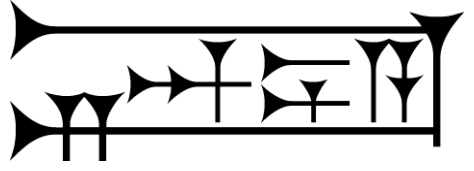
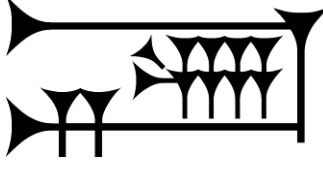
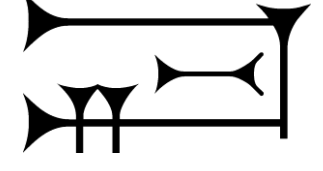

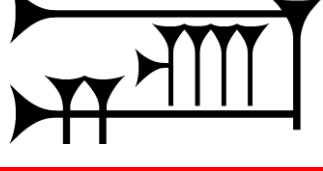


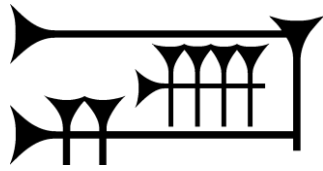

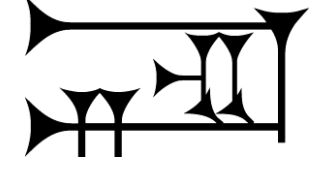
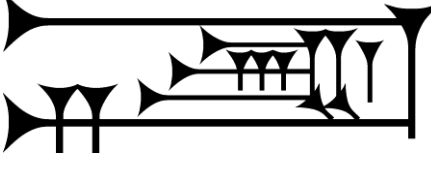
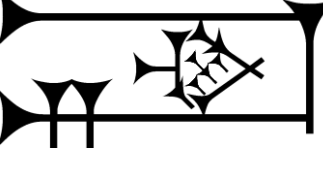
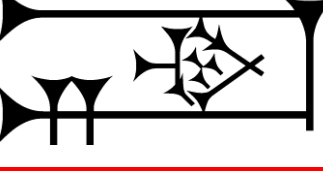
	Sign Name	Sign Name	Sign
373	ŠIM×NÍG	BAPPIR ŠIM×NINDA	
374	ŠIM×MUNUS	ŠIM×SAL	
375	ŠIM×KÚŠU		
376	GISAL	BI.GIŠ BI.IZ	
377	BÁNŠUR		
378	KIB		



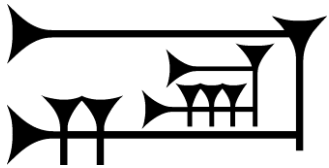

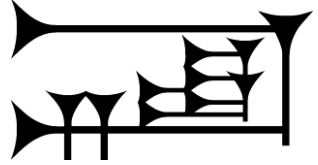
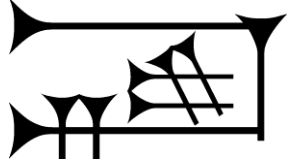

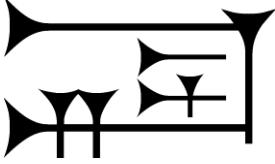





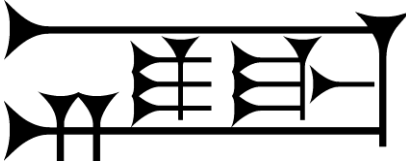

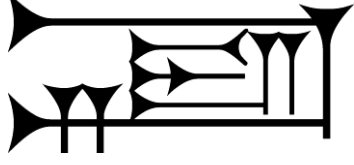

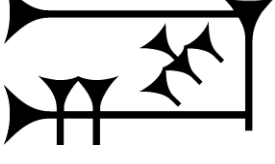
	Sign Name	Sign Name	Sign
392	AMA	GÁ×AN	
393	GÁ× (AN . GAG . A)		
394	GÁ×KÍD	DÀN GÁ×TAK <sub>4</sub>	
395	GÁ×BAD		
396	GÁ×GI	PISAN×GI	
397	GANUN	GÁ×NUN MAL×NUN	

	Sign Name	Sign Name	Sign
	GANUN	GǺ×NUN MAL×NUN	
398	GǺ×KAB		
399	GǺ×EN		
400	GǺ×BURU <sub>14</sub>		
401	GǺ×MUN	GǺ× (DIM×ŠE)	
	GǺ×MUN	GǺ× (DIM×KUR)	



	Sign Name	Sign Name	Sign
402	GÁ×KÁR	DAN <sub>4</sub>	
403	GÁ×DUB		
404	GÁ×SUM		
405	GÁ×KASKAL		
406	GÁ× (IŠ.ĤU.AŠ)	GÁ× (IŠ.ĤU.RUM)	
407	GÁ×GAG	AMA <sub>4</sub>	

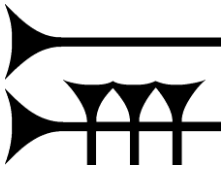
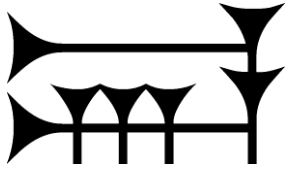
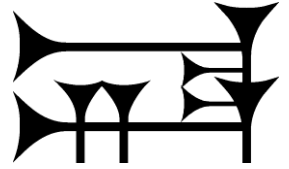


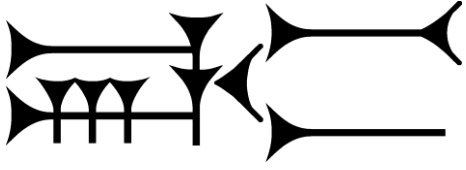


	Sign Name	Sign Name	Sign
413	GÁ×SAR		
414	GÁ× (ÁŠ . GAL)		
415	GÁ× (BUR . RA)		
416	GÁ×DA		
417	GÁ×SIG <sub>7</sub>		
418	ÉSAG	GÁ×ŠE É×ŠE MAL×ŠE	







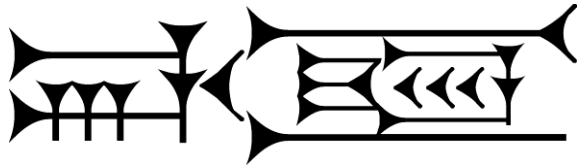
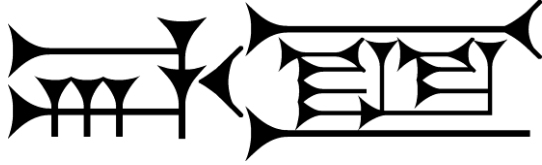


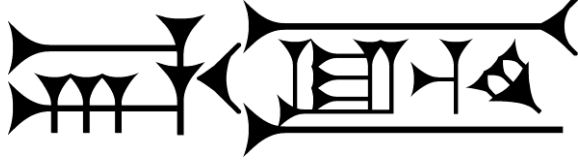

	Sign Name	Sign Name	Sign
437	IR	GAG-gunû	
438	DAG	PÀR BÀR BÀRA	
	DAG	PÀR BÀR BÀRA	
	DAG	PÀR BÀR BÀRA	
	DAG	PÀR BÀR BÀRA	
439	DAG.KISIM <sub>5</sub>		






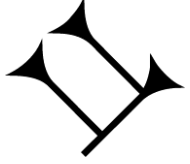
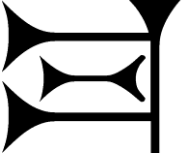







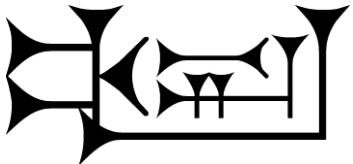











	Sign Name	Sign Name	Sign
	DAG.KISIM <sub>5</sub> ×MÚRU		
457	DAG.KISIM <sub>5</sub> ×DÚB	DAG.KISIM <sub>5</sub> ×BALAG	
458	DAG.KISIM <sub>5</sub> ×AMAR		
459	ÚBUR	DAG.KISIM <sub>5</sub> ×LU	
460	AMAŠ	DAG.KISIM <sub>5</sub> ×(LU.MÁŠ)	
	AMAŠ		



	Sign Name	Sign Name	Sign
467	NUSKA	PA.TÚG	
468	SIPA	PA.LU	
469	GIŠ	GEŠ IZ	
470	GIŠ-tenû	GUR <sub>17</sub>	
471	GIŠ×BAD		
472	GU <sub>4</sub>	GUD	

	Sign Name	Sign Name	Sign
473	GU <sub>4</sub> ×KASKAL		
474	AL	MÁḪ	
475	AL×KÍD		
	AL×KÀD		
476	AL×UŠ		
477	AL×GIŠ		

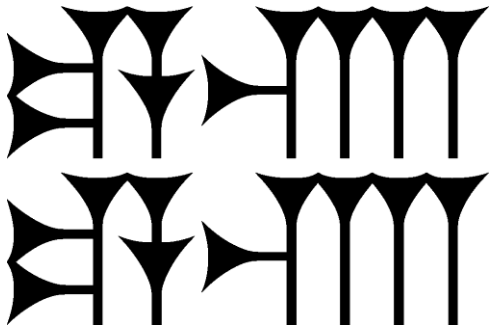

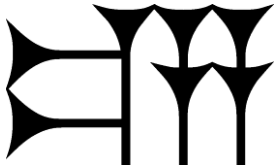
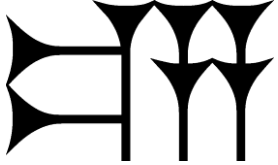






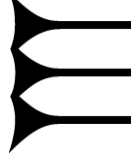
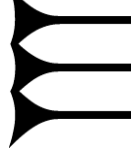

	Sign Name	Sign Name	Sign
484	KID	LÍL GÉ KE <sub>4</sub>	
485	ŠID	LAG ŠED	
	SAG <sub>5</sub>		
486	MES	RID	
487	ŠID×IM		
488	MES×ME	UM×ME	


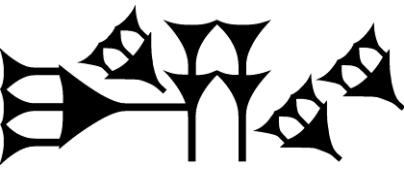
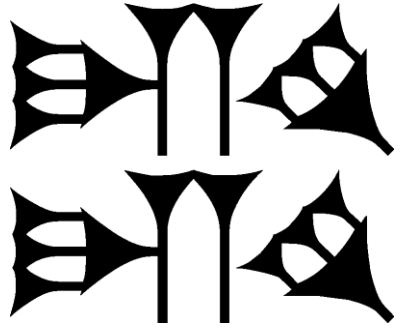
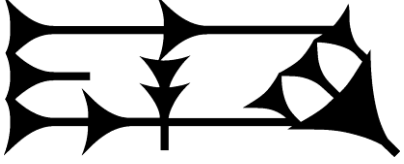







	Sign Name	Sign Name	Sign
	E NUN E·NUN	ḤILIBU	
499	DUG	BI×A	
500	KALAM		
501	UN	ÛG	
502	NIR	NUN NUN	

	Sign Name	Sign Name	Sign
503	GURUN		
	GURUN		
504	UB	ĀR	
505	EŠ <sub>16</sub>	AŠ AŠ AŠ	
	EŠ <sub>16</sub>	3	
506	LIMMU <sub>4</sub>	EŠ <sub>16</sub> .AŠ 4	

	Sign Name	Sign Name	Sign
507	GI <sub>4</sub>	GI-gunû	
508	GIGI	GI <sub>4</sub> %GI <sub>4</sub>	
	GIGI	GI <sub>4</sub> GI <sub>4</sub>	
509	ÚSAN	GÚ-gunû	
510	ÚSAN.GAG		







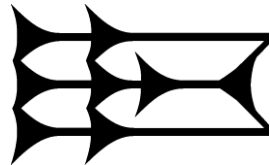




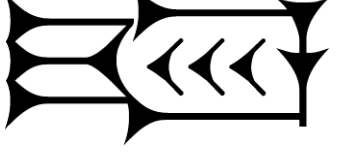






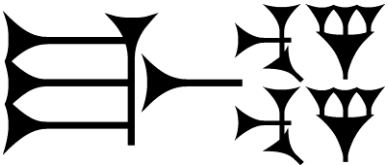




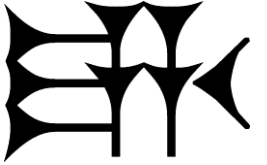




	Sign Name	Sign Name	Sign
540	ZAG	ZÀ	
541	SAR	ŠAR	
542	UD-gunû		
543	GÀR	QAR KÀR	
544	LIL		
545	MÚRU	MURUB <sub>4</sub> NISAG ITI-gunû	



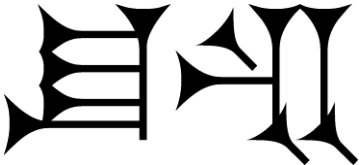
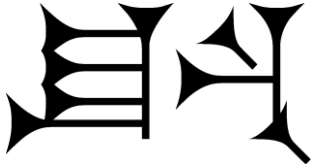






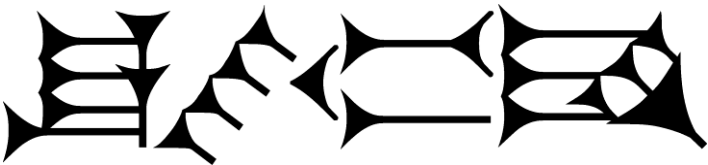



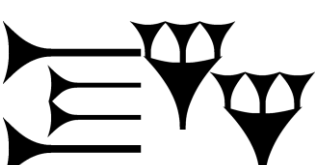

	Sign Name	Sign Name	Sign
	GAL.KINDA		
554	BÁRA		
555	GÚG	LÙ ŠÈ-gunû	
556	MIR	NIMGIR	
557	DUN <sub>4</sub>	DUL <sub>4</sub> UR-gunû-šeššig MIR-šeššig	
558	GIR	PEŠ PIŠ ḪA-gunû	



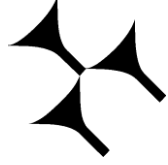









	Sign Name	Sign Name	Sign
568	KAD <sub>4</sub>		
	KAD <sub>4</sub>	ŠU.KÁD KID <sub>6</sub> KÀM	
569	KAD <sub>5</sub>	ŠU.KÀD	
570	LUL	NAR PAḤ	
571	SA <sub>6</sub>	GIŠIMMAR ŠA <sub>6</sub> ŠAG <sub>5</sub>	
572	BÌŠEBA	GU <sub>4</sub> .LUGAL GU <sub>4</sub>	

	Sign Name	Sign Name	Sign
573	ALAM	GU <sub>4</sub> . NA GU <sub>4</sub>	
574	URI	BUR BUR	
	URI	BUR BUR	
	URI	BUR BUR	
	URI	BUR BUR	
575	GE <sub>23</sub>	DIŠ-tenû SÀNTAK	

	Sign Name	Sign Name	Sign
576	GAM	GÚR	
577	ILIMMU <sub>4</sub>	3×GE <sub>23</sub> 9	
578	KUR		
	KUR.𐎧𐎢𐎵	KUR@KUR	
579	ŠE		
580	BU	GÍD SÍR	

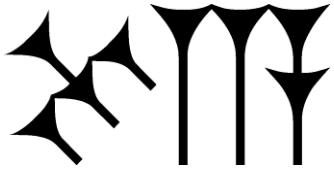


























	Sign Name	Sign Name	Sign
590	KAR	TE.A	
591	LIŠ		
592	:		
	:		
593	TAB		
594	$\frac{1}{4}$		





	Sign Name	Sign Name	Sign
	PI×Ú		
	PI×Ú		
	PI×E		
	PI×E		
	PI×BU		
	PI×BU		







	Sign Name	Sign Name	Sign
	PI×U		
	PI×U		
	PI×IB		
	PI×IB		
	PI×A		
	PI×A		







	Sign Name	Sign Name	Sign
599	ŠÀ	ŠAG <sub>4</sub>	
600	ŠÀ×BAD		
601	ŠÀ×TUR		
602	ŠÀ×NE		
603	ŠÀ×GIŠ		
604	ŠÀ×UD		







	Sign Name	Sign Name	Sign
616	LAḤTAN	NUNUZ.ÁB×LA	
	LAḤTAN	NUNUZ.KISIM <sub>5</sub> ×LA	
617	LÁḤTAN	NUNUZ.ÁB×SÌLA	
	LÁḤTAN	NUNUZ.KISIM <sub>5</sub> ×SÌLA	
618	NUNUZ.ÁB×KÀD		
	NUNUZ.KISIM <sub>5</sub> ×KÀD		

	Sign Name	Sign Name	Sign
619	ÛSAN	NUNUZ.ÁB×AŠGAB	
	ÛSAN	NUNUZ.KISIM <sub>5</sub> ×AŠGAB	
620	NUNUZ.ÁB×NE		
	NUNUZ.KISIM <sub>5</sub> ×NE		
621	MÙD	NUNUZ.ÁB×BI	
	MÙD	NUNUZ.KISIM <sub>5</sub> ×BI	




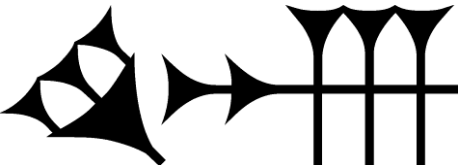
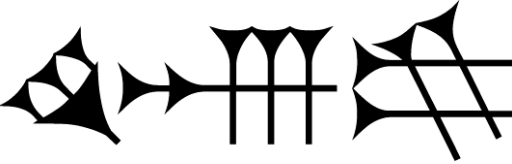
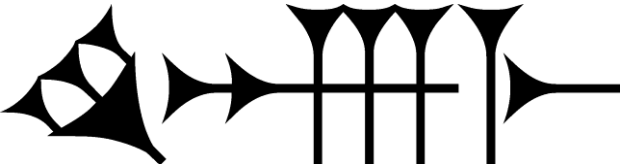
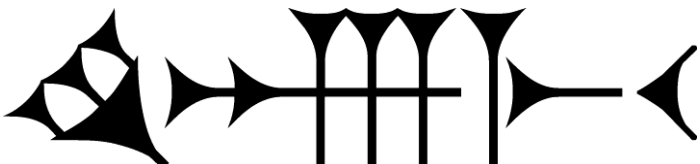
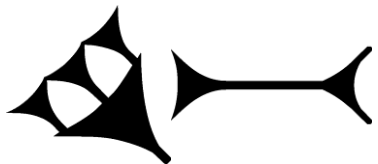
	Sign Name	Sign Name	Sign
625	NUNUZ.ÁB×DUG		
	NUNUZ.KISIM <sub>5</sub> ×DUG		
626	NUNUZ.ÁB×(GÚG.BÙLUG)		
	NUNUZ.KISIM <sub>5</sub> ×(GÚG.BÙLUG)		
	NUNUZ.ÁB×(BÙLUG.GÚG)		
	NUNUZ.KISIM <sub>5</sub> ×(BÙLUG.GÚG)		






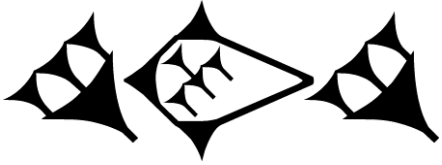
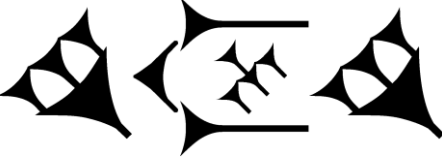







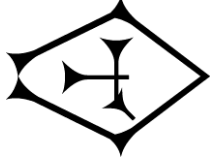


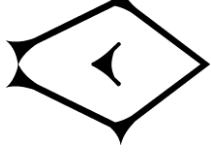



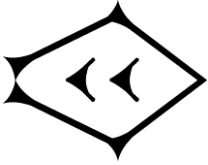
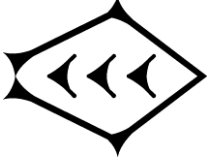


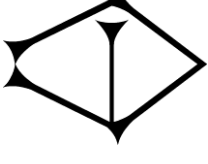
	Sign Name	Sign Name	Sign
635	A <sup>ᵛ</sup>		
636	Aḥ	ḥI × NUN Uḥ	
637	Aḥ . KASKAL		
638	Aḥ . ME	Uḥ . IŠIB Uḥ . ME	
639	Aḥ . ME . U		
640	ḥI . BAD		






	Sign Name	Sign Name	Sign
	SUḪUR		
	SUḪUR		
	SUḪUR		
647	GE <sub>22</sub>		
	AŠ-kabatenû		
648	ZUBUR		

	Sign Name	Sign Name	Sign
			
649	ŠÚŠUR		
650	ŠÁR×GAD		
651	ŠÁR× (GAL.DIŠ)	216000	
652	ŠÁR× (GAL.MIN)	432000	
653	ŠÁR×U	36000	

	Sign Name	Sign Name	Sign
654	ŠÁR×U-gunû	36000	
655	ŠÁR×MAN	72000	
656	ŠÁR×EŠ	108000	
657	ŠÁR×NIMIN	144000	
658	ŠÁR×NINNU	180000	
659	ŠÁR×DIŠ	ĤI×DIŠ 216000	


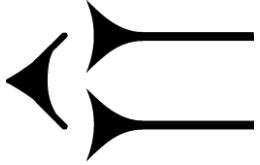

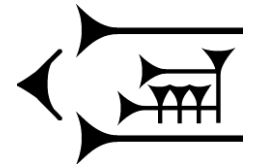
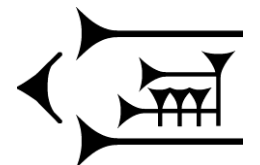

	Sign Name	Sign Name	Sign
660	HI×KIN		



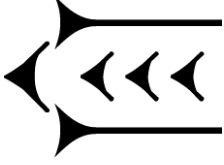







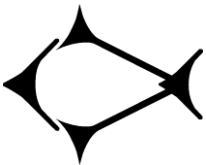
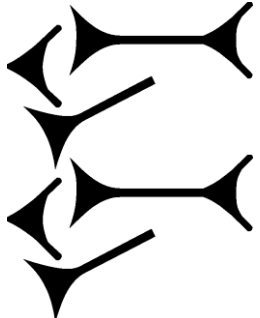




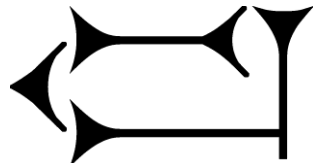
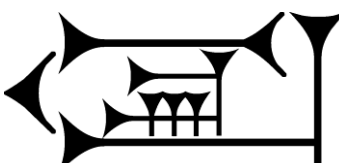
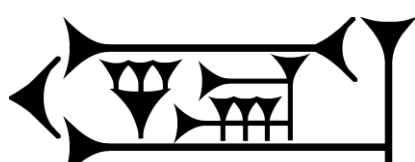
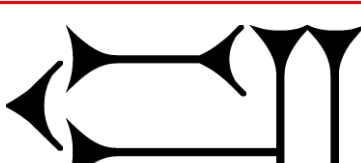
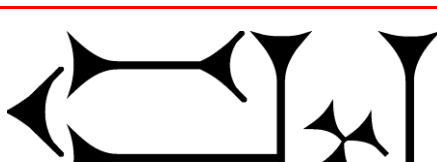


	Sign Name	Sign Name	Sign
671	SAGŠU	U.SAG	
672	ÁB	LID	
673	ÁB×KÍD	UB <sub>5</sub> ÁB×TAG <sub>4</sub>	
674	ÁB×KÁR	KIR <sub>6</sub>	
675	GIRI <sub>16</sub>	GÌR×KÁR	
676	LILIZ	GÌR×DÚB ÁB×BALAG	



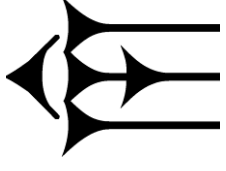

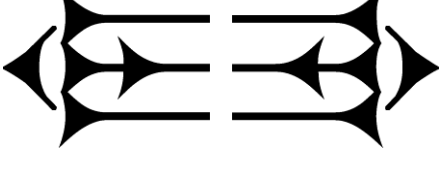

	Sign Name	Sign Name	Sign
677	LIBIŠ	ÁB×ŠÀ KÍR ŠÈM	
	LIBIŠ	ÁB.ŠÀ	
678	KIŠ	KIŠI	
679	MEZE	ÁB× (ME . EN)	
680	ÁB×A		
681	MI	DÚGUD GI <sub>6</sub> GÍG	



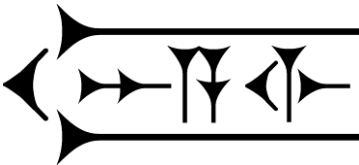
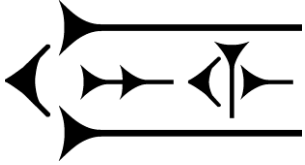
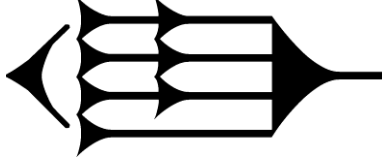



	Sign Name	Sign Name	Sign
	KISIM <sub>5</sub>		
	GINGIRA	KISIM <sub>5</sub> KISIM <sub>5</sub>	
688	DÚBUR	HI×U	
	DÚBUR	HI×U	
	DÚBUR	HI×U	

	Sign Name	Sign Name	Sign
689	NÁ	NÚ	
690	NIM	NUM TUM <sub>4</sub>	
691	TÙM	NIM×KÁR	
692	KIR <sub>7</sub>	NIM× (NÍG.KÁR)	
693	LAM		
694	LAM×KUR	IŠ <sub>11</sub> EŠ <sub>22</sub>	



	Sign Name	Sign Name	Sign
699	ŠITA <sub>4</sub>	U.KID	
700	ÚTU	U.GA ŠU <sub>4</sub> .GA	
701	GÌR	GÌRI	
	PIRIG		
	GÌR.𒄠	GÌR@GÌR	
702	LULIM	GÌR× (LU.IGI) GÌR× (LU.LIM)	




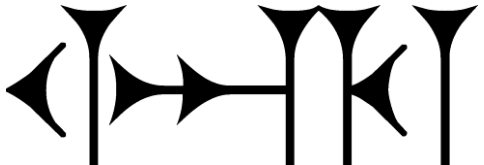
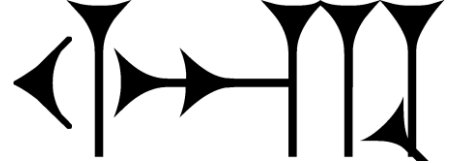
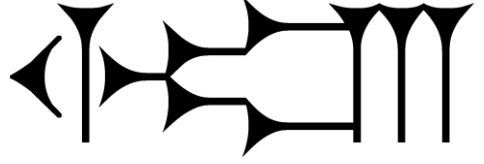
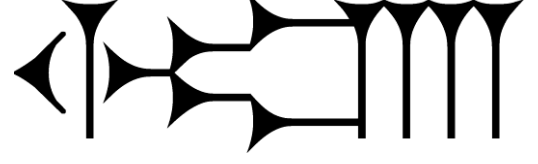

	Sign Name	Sign Name	Sign
703	ALIM	GÌR× (A.IGI) GÌR× (A.LIM)	
	ALIM	GÌR×IGI	
704	DUGUD		
705	GIG	MI.NUNUZ	
706	NIGIN <sub>4</sub>	U.UD	
707	NÌGIN	U.UD.KID	

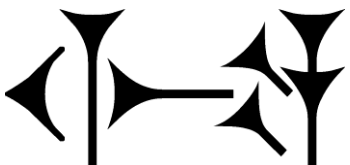













	Sign Name	Sign Name	Sign
	NIMIN	$4 \times U$ $NIN_5$ 40	
713	MAŠGI	BARGI $4 \times U$	
714	NINNU	$5 \times U$ 50	
715	$6 \times U$	60	
716	$7 \times U$	70	
717	$8 \times U$	80	





	Sign Name	Sign Name	Sign
725	PÀD	IGI.RU PÀ	
726	AR	IGI.RI	
	AR	IGI.RI	
727	AGRIG	GIŠKIM IGI.DUB ISKIM IZKIM	
	AGRIG	GIŠKIM IGI.DUB ISKIM IZKIM	
728	U <sub>6</sub>	IGI.É	


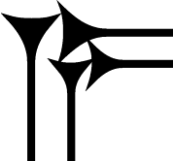
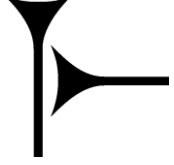
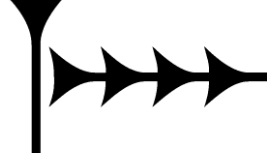
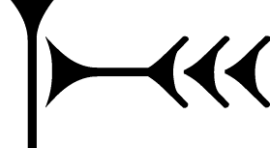
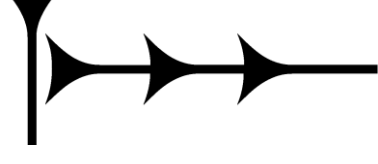
	Sign Name	Sign Name	Sign
729	SIG <sub>5</sub>	IGI.ERIM	
730	KURUM <sub>7</sub>	GÚRUM IGI.ERIM	
	KURUM <sub>7</sub>	IGI.NÍG	
731	Ù	IGI.DIB	
732	LIBIR	IGI.ŠÈ	
733	ĤUL	IGI.UR	

	Sign Name	Sign Name	Sign
734	ĤUL <sub>4</sub>	IGI.UR-šeššig	
735	KURUM <sub>7</sub>	IGI.NÍG	
736	DI	DE SÁ SILIM	
737	KI		
738	KI×BAD		
739	KI×UD		







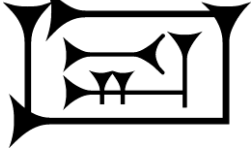





	Sign Name	Sign Name	Sign
751	LÁL	LAL×LAL	
752	LÁL		
753	ME	100	
754	MEŠ		
	MEŠ	ME . EŠ	
	MEŠ		








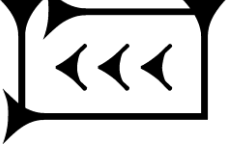


	Sign Name	Sign Name	Sign
766	U <sub>8</sub>	LAGAB× <sup>GU<sub>4</sub></sup> <sub>GU<sub>4</sub></sub>	
767	ZAR	LAGAB×SUM	
768	UDUB	LAGAB×NE	
769	LAGAB×BI		
770	LAGAB×UŠ		
771	LAGAB×ŠÍTA		


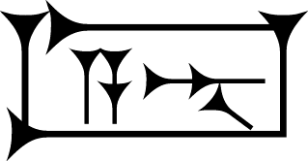











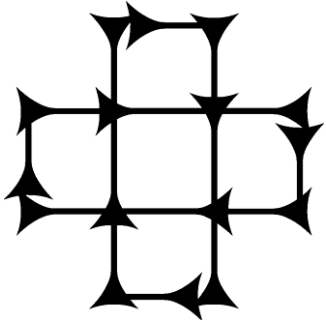


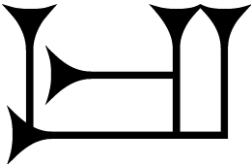









	Sign Name	Sign Name	Sign
783	LAGAB×UD		
784	LAGAB×AḤ		
785	LAGAB×IM	BUN	
786	TÚL	LAGAB×U ḤÁB PÚ	
787	LAGAB× (U.A)		
788	BUL	LAGAB×EŠ TUK <sub>4</sub>	

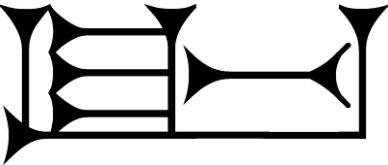







	Sign Name	Sign Name	Sign
795	SUG	LAGAB×A	
796	LAGAB× (A.TAR)		
797	LAGAB× (A.DA.ĦA)		
798	LAGAB× (A.LAL)		
799	LAGAB× (A.NÍG)	LAGAB× (A.GAR)	
800	LAGAB×ĦA	NÍGIN×ĦA	

	Sign Name	Sign Name	Sign
801	LAGAB×NÍG	NININDU LAGAB×GAR	
802	LAGAB×ŠÚ		
803	LAGAB× (ŠÚ . ŠÚ)		
804	NIGIN	LAGAB . LAGAB	
	NIGIN	LAGAB . LAGAB	
	NIGIN	LAGAB×LAGAB	







	Sign Name	Sign Name	Sign
805	LAGAB • LAGAB LAGAB • LAGAB	4×LAGAB	
806	NENNI	BUL . BUL	
	NENNI	BUL . BUL	
807	IB	URTA	
808	KU	DÚR TUKUL TUŠ DÍB	

	Sign Name	Sign Name	Sign
809	TÚG	NÁM	
810	ŠÈ	ÉŠ GI <sub>7</sub> ZÌ	
811	KU	60	
812	LU	UDU	
813	DIB	DAB	
814	ÀD	LU×BAD LU×ÚŠ	

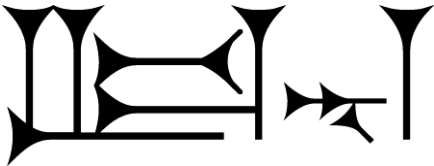





	Sign Name	Sign Name	Sign
	ÀD	LU×BAD LU×ÚŠ	
815	KIN	GUR <sub>10</sub>	
816	sÍG	sÍK sÍKI ŠÍG	
817	DARA <sub>4</sub>	sÍG.AŠ	
818	EREN	sÍG.NUN ERIN ŠEŠ <sub>4</sub>	
819	GUR <sub>7</sub>	sÍG.AḤ.ME.U	






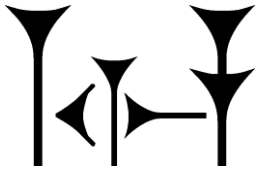




	Sign Name	Sign Name	Sign
	MÚNŠUB	MÚNSUB	
824	DIŠ.U	600	
	DIŠ.U	600	
825	MIN	2	
826	ŠUŠANA	$\frac{1}{3}$	
827	TUK	TUG TUKU	



	Sign Name	Sign Name	Sign
830	GIDIM	GEDIM	
831	2, 30		
832	ŠANABI	$\frac{2}{3}$	
833	UDUG		
834	EŠ <sub>5</sub>	3	
835	UR <sub>4</sub>		



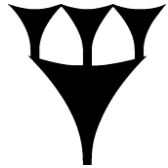
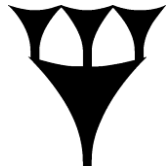
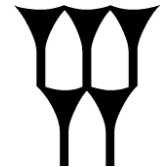

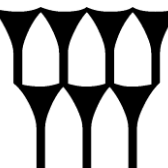
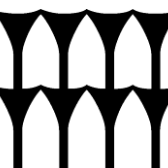


	Sign Name	Sign Name	Sign
	A . DU <sub>6</sub>		
844	A×IGI	A×ŠI	
845	EDURU	A×A	
846	ZÀĦ	A×ĦA	
847	DIŠ DIŠ	NÌMIN 4	
848	NIGIDAMIN	DIŠ DIŠ	



















	Sign Name	Sign Name	Sign
859	NÍG	GAR NINDA NÌ	
860	LIMMU	NÍG 4	
861	IÁ	5	
862	ÀŠ	6	
863	IMIN	7	
864	USSU	8	


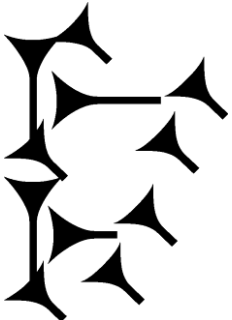

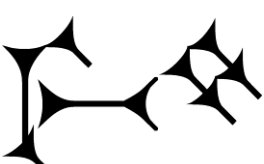
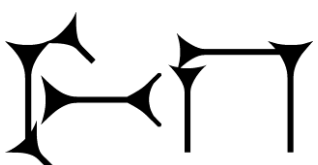










	Sign Name	Sign Name	Sign
876	ŠUDUN	ŠUDUL ŠÚ.DUN <sub>4</sub> ŠÚ.DUL <sub>4</sub>	
877	HÚL		
878	ŠEG <sub>9</sub>	ŠÚ.ŠE.KU.GAG	
879	LÌL	ŠÚ.EŠ	
880	ŠÚ.UR-šeššig		
881	SIG		



	Sign Name	Sign Name	Sign
886	NIN <sub>9</sub>	MUNUS . KU	
887	NIN	MUNUS . TÚG	
888	MUNUS . MA		
889	DAM		
890	GÉME	MUNUS . KUR	
891	GU		

	Sign Name	Sign Name	Sign
	GU		
892	SÙḪ	GU%GU	
893	NAGAR		
894	TUGUL	NAGAR.AD <sub>4</sub>	
895	MUNUS.LAGAR		

	Sign Name	Sign Name	Sign
896	KÚŠU	ÙḤ	
897	ÉGI	MUNUS . ŠÈ MUNUS . EGI	
898	NIG	MUNUS . UR	
899	EL	SIKIL	
900	LUM	GÚM ḤUM NU₄	
901	MÚRGU	LUM	







## References

Bord, Lucien-Jean and Remo Mugnaioni. *L'Écriture Cunéiforme: Syllabaire Sumérien, Babylonien et Assyrien*. Paris: Librairie Orientaliste Paul Geuthner S.A., ©2002.

Borger, Riekele, and Rykle Borger. *Mesopotamisches Zeichenlexikon*. Vol. 305. Ugarit Verlag Münster, ©2004.

Ellermeier, Friedrich, and Riekele Borger. *Sumerisches Glossar: Führer durch die neuere sumerologische Fachliteratur. Die sumerischen Lautwerte: nach dem Alphabet, nach den "Zeichennamen" und nach den Keilschriftzeichen geordnet*. Selbstverlag dr. Friedrich Ellermeier, ©1979-©1980.

Labat, René and Florence Malbran-Labat. *Manuel D'Épigraphie Akkadienne: Signes, Syllabaire, Idéogrammes*. 6th ed. Paris: Librairie Orientaliste Paul Geuthner S.A., ©1988.

Miller, Douglas B. and R. Mark Shipp. *An Akkadian Handbook: Paradigms, Helps, Glossary, Logograms, and Sign List*. 2nd ed. Winona Lake, Ind.: Eisenbrauns, ©2014.

*Oracc Global Sign List*. Retrieved April 1st, 2017, from <http://oracc.museum.upenn.edu/ogsl/signlist/>

*The Pennsylvania Sumerian Dictionary*. Retrieved April 1st, 2017, from <http://psd.museum.upenn.edu/epsd/nepsd-frame.html>